

PLM-S700H300

Close-Pleat Filter Production Line



Features

- Wide pleating & high speed. Pleat height 10–300 mm; up to 12 m/min at 50 mm height.
- Precise glue system. 50 glue points (2 × 25 guns), each independently controlled for uniform lines.
- Smart tension & pleating control. PLC-controlled unwinding tension and roller up/down pleating ensure stable formation.
- Cooling & slitting units. 4 fans and 6 slitting knives for clean edges and stable pleats.
- Reliable safety & electrical. Panasonic/Teco servo motors with alarms, emergency stops, and temperature monitoring.

Application

- This production line is suitable for producing high-efficiency pleated filter media.

Specification

- Product Name: PLM-S700H300
- Processing Width: Maximum 680 mm
- Pleating Height: 10–300 mm
- Production Speed: 12 m/min (at pleating height 50 mm)
- Number of Glue Lines: 25 lines × 2 rows (Glue gun configuration: 2 sets of 25-point glue guns, South Korea)
- Glue Line Switch Control: One-to-one control by solenoid valve; intermittent and folding glue spraying functions
- Glue Melting Machine Capacity: 50 L × 1 unit (equipped with domestic foam glue machine)
- Number of Slitting Knives: 6 pieces
- Loading Method: Pneumatic assisted loading
- Uncoil Tension Control: Controlled by PLC
- Glue Spray Cooling: 4 sets of fans
- Safety Protection: Alarms and emergency stop functions in mechanical operation and dangerous areas
- Frame: Steel structure
- Voltage / Power: 380 V / 15 kW
- Overall Dimensions (L × W × H): 7500 × 2200 × 1800 mm
- Gas Consumption: 0.3 m³/min
- Weight: 1.3 tons
- Indentation Blade Width: 1 mm
- Folding Method: Roller type, up-and-down reciprocating auxiliary forming

